# Subtracting decimals with the same number of decimal places
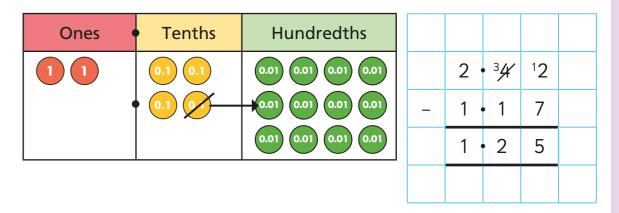
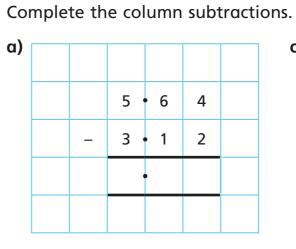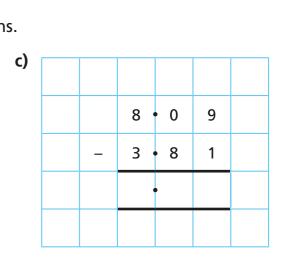**1** Use a place value chart and counters to help you complete the subtractions.

| Tens | Ones | Tenths | Hundredths |
|------|------|--------|------------|
| 10 | 1  1  1  1 <br> 1  1 | 0.1  0.1  0.1  0.1 <br> 0.1  0.1  0.1  0.1 | 0.01  0.01  0.01 |

**a)** 14.83 − 12.12 = ☐

**c)** 14.83 − 12.92 = ☐

**b)** 14.83 − 12.14 = ☐

**d)** 14.83 − 12.94 = ☐

**e)** Which calculation was easier? Talk about it with a partner.

**f)** What happens when you don't have enough counters in a column to take away?

_____

_____

**2** Complete the sentences.

1 ten can be exchanged for ☐ ones.

1 one can be exchanged for ☐ tenths.

1 tenth can be exchanged for 10 _____.

**3** Annie is calculating 2.42 − 1.17 using the column method.

She uses a place value chart to help her.

| Ones | • | Tenths | Hundredths |
|------|---|--------|------------|
| 1  1 | • | 0.1  0.1 <br> 0.1  0~~0.1~~ → | 0.01  0.01  0.01  0.01 <br> 0.01  0.01  0.01  0.01 <br> 0.01  0.01  0.01  0.01 |

$$2 \cdot {}^{3}\cancel{4}\ {}^{1}2$$
$$-\ 1 \cdot 1\ 7$$
$$\overline{1 \cdot 2\ 5}$$

How does the place value chart support the column method?

Talk about it with a partner.

**4** Complete the column subtractions.

**a)**

|   | 5 | • | 6 | 4 |
|---|---|---|---|---|
| − | 3 | • | 1 | 2 |
|   |   | • |   |   |

**c)**

|   | 8 | • | 0 | 9 |
|---|---|---|---|---|
| − | 3 | • | 8 | 1 |
|   |   | • |   |   |

**b)**

|   | 5 | • | 6 | 4 |
|---|---|---|---|---|
| − | 3 | • | 1 | 5 |
|   |   | • |   |   |

**d)**

| 1 | 2 | • | 0 | 2 |
|---|---|---|---|---|
| − | 1 | 1 | • | 3 | 8 |
|   |   | • |   |   |

**5** Whitney has £8.52

She buys this comic.

How much money does she have left?

RoboBoy

£3.25

£ [        ]

**6** Here are some items for sale in a shop.

£2.27    £9.10    £4.91    £1.09

a) How much more does a scarf cost than a bag of marbles?

£ [        ]

b) Esther has £15.31

She buys a pair of headphones and a bag of marbles.

How much money does she have left?

£ [        ]

c) Tom has £7.01

He buys one item and has £5.92 left.

What did he buy?

Tom bought _____.

**7** Ron and Dora are doing a sponsored walk.

Ron walks 3.12 miles.

Dora walks 5.49 miles.

How much further does Dora walk than Ron?

Dora walks [        ] miles further than Ron.

**8** Tommy has three pieces of string.

- The first piece is 0.78 m long.
- The second piece is 0.24 m shorter than the first piece.
- The third piece is 0.07 m shorter than the second piece.

What is the total length of all three pieces of string?

Give your answer in metres and centimetres.

[        ] m and [        ] cm

**9** A, B and C are points on a number line.

| **A** | **B** | **C** |
|---|---|---|
| 118.76 | 159.72 | 186.34 |

100                                                                 200

How much greater is the difference between A and C than the difference between B and C?

[        ]

Compare methods with a partner.